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1 Adapting traceability environments to project-specific needs

Ralf Dörries, Klaus Pohl

 December 1998 **Communications of the ACM**, Volume 41 Issue 12

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (498.12 KB) **Additional Information:** full citation, references,

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 111, Citati

2 Getting back to basics: Promoting the use of a traceability informatio

Patrick Mader, Orlena Gotel, Ilka Philippow

 May 2009 **TEFSE '09: Proceedings of the 2009 ICSE Workshop on Tracea Software Engineering**
Publisher: IEEE Computer Society

 Full text available: [Pdf](#) (240.82 KB) **Additional Information:** full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 10, Citati

It is widely assumed that following a process is a good thing if you want benefits of traceability on a software development project. A core comp the definition and use of a traceability information ...

3 Approximate object location and spam filtering on peer-to-peer syste

Feng Zhou, Li Zhuang, Ben Y. Zhao, Ling Huang, Anthony D. Joseph, John

 June 2003 **Middleware '03: Proceedings of the ACM/IFIP/USENIX 2003 Ir Middleware**
Publisher: Springer-Verlag New York, Inc.

 Full text available: [Pdf](#) (343.06 KB) **Additional Information:** full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 9, Citation C

Recent work in P2P overlay networks allow for decentralized object loca across networks based on unique IDs. In this paper, we propose an exti publish objects using generic *feature vectors* instead ...

Keywords: DOLR, approximate text matching, peer-to-peer, spam filte

4 Low-cost communication for rural internet kiosks using mechanical b

A. Seth, D. Kroeker, M. Zaharia, S. Guo, S. Keshav

 September 2006 **MobiCom '06: Proceedings of the 12th annual internation. computing and networking**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (733.95 KB)


[Additional Information: full citation, abstract, re](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 191, Citations

Rural kiosks in developing countries provide a variety of services such as certificates, electricity bill collection, land records, email services, and agricultural problems. Fundamental to a kiosk's ...

Keywords: delay tolerant networks, low cost, mechanical back-haul, network design

5 [Object ownership profiling: a technique for finding and fixing memory](#)

 Derek Rayside, Lucy Mendel

November 2007 **ASE '07: Proceedings of the twenty-second IEEE/ACM international Automated software engineering**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (971.69 KB)

[Additional Information: full citation, abstract, re](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 76, Citations

We introduce *object ownership profiling*, a technique for finding and fixing oriented programs. Object ownership profiling is the first memory profiling both a hierarchy of allocated objects along with ...

Keywords: java, memory leaks, object ownership

6 [Consistent overhead Byte stuffing](#)

Stuart Cheshire, Mary Baker

April 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue

Publisher: IEEE Press

Full text available:  [Pdf](#) (263.90 KB) [Additional Information: full citation, references, index](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 38, Citations


Keywords: Byte stuffing, framing, packet, serial, transmission

7 [From abstract qualities to concrete specification using guidance policies](#)

Scott J. Harmon, Scott A. DeLoach, Robby

May 2009 **AAMAS '09: Proceedings of The 8th International Conference on Agents and Multiagent Systems - Volume 2**, Volume 2

Publisher: International Foundation for Autonomous Agents and Multiagent Systems

Full text available:  [Pdf](#) (172.15 KB)


[Additional Information: full citation, abstract, re](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 3, Citations

This research describes a formal method for transforming abstract quality specification in the form of policies within a multiagent system design framework

Keywords: O-MaSE, agent oriented software engineering, guidance, language policy

8 The elements of nature: interactive and realistic techniques

 Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemysław Roble, Jos Stam, Jerry Tessendorf

August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (17.65 MB) **Additional Information:** [full citation](#), [abstract](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 141, Downloads (12 Months): 1378, Citations: 1


This updated course on simulating natural phenomena will cover the latest techniques for simulating most of the elements of nature. The presented production, interactive simulation, and research perspectives ...

9 Compiler-managed partitioned data caches for low power

 Rajiv Ravindran, Michael Chu, Scott Mahike

July 2007 **LCTES '07: Proceedings of the 2007 ACM SIGPLAN/SIGBED conference on Languages, Compilers, and Tools for Embedded Systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (432.35 KB) **Additional Information:** [full citation](#), [abstract](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 61, Citations: 0


Set-associative caches are traditionally managed using hardware-based schemes that have high energy overheads. Ideally, the caching strategy application's memory needs, thus enabling optimal use of this ...

Keywords: embedded processor, hardware/software co-managed cache management, low-power, partitioned cache

Also published in:

July 2007 **SIGPLAN Notices** Volume 42 Issue 7

10 An effective guidance strategy for abstraction-guided simulation

 Flavio M. De Paula, Alan J. Hu

June 2007 **DAC '07: Proceedings of the 44th annual Design Automation Conference**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (192.87 KB) **Additional Information:** [full citation](#), [abstract](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 30, Citations: 0

Despite major advances in formal verification, simulation continues to be the primary method for functional verification. Abstraction-guided simulation has long been leveraging the power of formal techniques to help simulation ...


Keywords: RTL, abstraction, model checking, simulation

11 Search-based binding time analysis using type-directed pruning

 Tim Sheard, Nathan Linger

September 2002 **ASIA-PEPM '02: Proceedings of the ASIAN symposium on Foundations of Programming Languages**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (234.25 KB)Additional Information: [full citation](#), [abstract](#), [request permissions](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 8, Citation C

We introduce a new way of performing binding time analysis. Rather than using constraint solving or abstract interpretation, we use a method based on type information which significantly prunes the search space.

Keywords: binding time analysis, staging, type-directed search

- 12 [Characterizing the query behavior in peer-to-peer file sharing systems](#)
Alexander Klemm, Christoph Lindemann, Mary K. Vernon, Oliver P. Waldhoer
October 2004 **IMC '04**: Proceedings of the 4th ACM SIGCOMM conference on Internet Measurement

Publisher: ACM Full text available:  Pdf (525.94 KB)Additional Information: [full citation](#), [abstract](#), [request permissions](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 62, Citation C

This paper characterizes the query behavior of peers in a peer-to-peer (P2P) system. In contrast to previous work, which provides various aggregate workload statistics, we provide peer behavior in a form that can be used for constructing synthetic workloads.

Keywords: overlay networks, peer-to-peer, synthetic workloads, workload characterization

- 13 [Log summarization and anomaly detection for troubleshooting distributed systems](#)
Dan Gunter, Brian L. Tierney, Aaron Brown, Martin Swamy, John Bresnahan
September 2007 **GRID '07**: Proceedings of the 8th IEEE/ACM International Conference on Grid Computing

Publisher: IEEE Computer SocietyFull text available:  Pdf (223.77 KB)Additional Information: [full citation](#), [abstract](#), [request permissions](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 17, Citation C

Today's system monitoring tools are capable of detecting system failure events, and network partitions in near-real time. Unfortunately, the same tools are not capable of detecting software stack anomalies. Any given ...

- 14 [Hardware counter driven on-the-fly request signatures](#)
Kai Shen, Ming Zhong, Sandhya Dwarkadas, Chuanpeng Li, Christopher Stachniss
March 2008 **ASPLOS XI**: Proceedings of the 13th international conference on Architectural Support for Programming Languages and Operating Systems


Publisher: ACM Full text available:  Pdf (437.53 KB)Additional Information: [full citation](#), [abstract](#), [request permissions](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 183, Citation C

Today's processors provide a rich source of statistical information on application behavior through hardware counters. In this paper, we explore the utilization of these statistics in server applications for identifying requests ...

Keywords: anomaly detection, hardware counter, operating system analysis


classification, server system

15 Enhancing random walk state space exploration

 Radek Peřánek, Tomáš Hanžl, Ivana Černá, Luboš Brim

September 2005 **FMI CS '05: Proceedings of the 10th international workshop on industrial critical systems**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (158.68 KB) **Additional Information:** full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 43, Citation

We study the behavior of the random walk method in the context of mo to explore a state space. We describe the methodology we have used fo and report on the results obtained. We also describe many ...


Keywords: formal verification, random walk, state space exploration

16 PRIME—toward process-integrated modeling environments: 1

 Klaus Pohl, Klaus Weidenhaupt, Ralf Dörnges, Peter Haumer, Matthias Jark

October 1999 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (1.15 MB) **Additional Information:** full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 99, Citation

Research in process-centered environments (PCEs) has focused on proj has neglected method guidance for the engineers performing the (softw has been dominated by the search for suitable process-modeling ...

Keywords: PRIME, method guidance, process modeling, process-cente integrated environments, process-sensitive tools, tool integration, tool r

17 The Development and Evaluation of Performance-Based Functional Methodology for the Measurement of Physical Capabilities

 Kathleen J. Price, Andrew Sears

June 2009 **Transactions on Accessible Computing (TACCESS)**, Volume

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (345.48 KB) **Additional Information:** full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 54, Citation

Understanding and describing the physical capabilities of users with mo significant challenge for accessibility researchers and system designers use descriptors such as medical diagnoses to represent ...


Keywords: Functional assessment, HCI, accessibility, physical capabilit

18 A report on a survey and study of static analysis users

 Nathaniel Ayewah, William Pugh

July 2008 **DEFECTS '08: Proceedings of the 2008 workshop on Defects in**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (223.39 KB)


[Additional Information:](#) full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 177, Citatio

As static analysis tools mature and attract more users, vendors and researchers are interested in understanding how users interact with them, and how they interact with the development process. The FindBugs project has conducted a number of studies...


Keywords: FindBugs, Java, bug patterns, bugs, false positives, software static analysis

19 [Surface matching using consistent pants decomposition](#)

 Xin Li, Xianfeng Gu, Hong Qin

June 2008 **SPM '08: Proceedings of the 2008 ACM symposium on Solid an**

Publisher: ACM

Full text available:  Pdf (2.02 MB)


[Additional Information:](#) full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 37, Citation

Surface matching is fundamental to shape computing and various downstream applications. This paper develops a powerful *pants decomposition* framework for computing with arbitrary topologies. We first conduct pants decomposition ...

Keywords: shape analysis and synthesis, surface matching

20 [Communications of the ACM: Volume 52 Issue 7](#)

 July 2009 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (7.61 MB) [Additional Information:](#) full citation

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